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**INL announces \$33 million infrastructure upgrade**

IDAHO FALLS -- Idaho National Laboratory today announced a landmark \$33 million infrastructure improvement project in conjunction with NORESKO, considered the nation's premier energy services company.

The second largest in a series of Energy Savings Performance Contracts (ESPC) that the U.S. Department of Energy (DOE) is approving nationwide, this project is the culmination of extensive collaboration among Battelle Energy Alliance, NORESKO and DOE.

NORESKO will construct \$33 million worth of infrastructure improvements at the Materials and Fuels Complex (MFC), one of the laboratory's three primary work areas. Battelle Energy Alliance, which operates INL for DOE, will contribute an additional \$4.5 million in operational funding to the project.

The work will modernize heating, lighting and other utility equipment, systems and controls. NORESKO will be repaid in installments from the expected \$1.7 million in annual energy cost savings the work generates.

"I am pleased to announce this agreement," said Dwayne Coburn, INL director of Facilities & Site Services. "At one stroke, we are meeting aggressive DOE energy-reduction goals, making a much-needed investment in INL infrastructure, and using private-sector funding to do so."

The project enables INL to meet the energy-reduction milestones contained in the 2005 Energy Policy Act and the Secretary's Transformational Energy Action Management (TEAM) Initiative by reducing energy use by over 5 percent and reducing carbon dioxide emissions by 12.8 million pounds per year. It also provides many other important benefits to the laboratory:

- Improved reliability of mechanical equipment;
- Major reduction in air pollution emissions;
- Safer working environment;
- Improved occupant comfort; and
- Advanced metering of steam, water and electricity to improve energy management at MFC.

The carbon reduction and energy savings will be equivalent to planting 1,756 acres of trees or removing 1,120 cars from the roads. The carbon reduction will come from removal of oil-fired boilers which currently burn more than 580,000 gallons of fuel annually.

Electricity use at MFC will increase to compensate for the heat now generated by the boilers. However, significant amounts of Idaho's electricity are generated by hydropower — a clean energy source that is free from carbon emissions.

"The work performed at INL is critical to our nation's energy strategy, and NORESKO is honored to be a part of it," said Neil Petchers, president and CEO of NORESKO. "Our collaborative project will provide substantial energy and cost savings to taxpayers, reduce our dependence on foreign oil, and reduce harmful emissions and greenhouse gases. We are committed to our partnership with INL and look forward to a very successful project."

NORESKO is one of the largest U.S. energy services companies specializing in the development, design, construction, financing and operation of energy and environmental efficiency projects, performance contracting and central energy plants.

Its clients include various departments of the U.S. government, school districts, universities, state and local governments, public housing agencies, and industrial and commercial businesses. During the past two decades, NORESKO has implemented more than \$2.5 billion in energy projects at more than 2,000 sites throughout the United States and abroad.

The project will eliminate all petroleum-based fuel oil used for heating and eliminate all underground steam and condensate lines — the older and more maintenance-intensive parts of the steam system at MFC.

It also will replace the aging central boiler, upgrade the heating and air conditioning controls in 28 buildings, replace numerous air handling units, install two passive solar walls, and upgrade the lighting systems in 62 buildings.

"The INL agreement is the first ESPC contract signed in the DOE complex since Energy Secretary Samuel Bodman's energy initiative," said Coburn. "We challenged NORESKO to find the maximum available energy savings, while also performing much-needed infrastructure improvements in keeping with our modernization plan for the entire laboratory. They exceeded our expectations."

NORESKO's mission is to achieve operational excellence by providing customers with superior integrated energy solutions from design/build to commissioning strategies, and to financing and client-centric asset management services.

NORESKO has provided similar services to the U.S. Military Academy at West Point, Walter Reed Medical Center, the U.S. Air Force station at Cape Canaveral, and many other national, state and local government facilities.

INL is one of the DOE's 10 multiprogram national laboratories. The laboratory performs work in each of the strategic goal areas of DOE: energy,

national security, science and the environment. Specifically, INL is the nation's leading center for nuclear energy research and development. Day-to-day management and operation of the laboratory is the responsibility of Battelle Energy Alliance (BEA).

[See a map of INL investments under BEA.](#)

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[Read the DOE's Energy Savings Performance Contract news release.](#)



Aerial view of the Materials & Fuels Complex, where INL has announced \$33 million worth of 'green' energy-saving upgrades to buildings and equipment.

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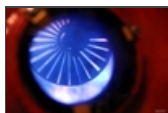
More than 60 buildings at the INL's Materials & Fuels Complex will be upgraded in the massive new infrastructure project just announced.

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Flames swirl around a vortex device in an oil-fired boiler at INL's Materials & Fuels Complex. Diesel-fueled boilers will be eliminated in the upgrades announced today, cutting diesel use to zero from the current 600,000 gallons per year used at this facility. Source: Idaho National Lab

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Another view of the flames in a diesel-fired boiler that will be eliminated at INL's Materials & Fuels Complex, reducing diesel use to zero from the current 600,000 gallons per year. Source: Idaho National Lab

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INL boiler operator David Taylor looks at an outdated boiler control system that will be replaced with modern energy-saving electric heating and controls. Source: Idaho National Lab

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